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Data Sheet

August 2, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 1260-18 Basic High-Density Switch Module

Astronics / EADS / Racal 1260-18 Basic High-Density Switch Module The Astronics / EADS / Racal 1260-18 (126018) is a single-slot C-size VXIbus high-density general-purpose switch module providing 152 SPST channels user-configurable in software to SPST, SPDT, or SPnT topologies without hardware jumpers. Bandwidth is 50 MHz minimum and 100 MHz typical; channels switch up to 2 A AC/DC and 250 VAC or 220 VDC at 60 W DC / 125 VA AC with path resistance under 0.5 Ω and thermal EMF under 15 μ V on the datasheet. Include and exclude programmable switching, equate lists, and relay coil monitoring (confidence checking) are supported under Option 01 or Option 01T control. Ordering P/N 407493. The Astronics / EADS / Racal 1260-18 (126018) is a single-slot C-size VXIbus high-density general-purpose switch module providing 152 SPST channels user-configurable in software to SPST, SPDT, or SPnT topologies without hardware jumpers. Bandwidth is 50 MHz minimum and 100 MHz typical; channels switch up to 2 A AC/DC and 250 VAC or 220 VDC at 60 W DC / 125 VA AC with path resistance under 0.5 Ω and thermal EMF under 15 μ V on the datasheet. Include and exclude programmable switching, equate lists, and relay coil monitoring (confidence checking) are supported under Option 01 or Option 01T control. Ordering P/N 407493. High-density signal routing in VXI ATE; software-configured multiplexers and matrices; ge



MODEL

**Astronics / EADS /
Racal 1260-18**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1260-18

LISTING

[https://aumictechlabs.c
om/products/1260-18-
2/](https://aumictechlabs.com/products/1260-18-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astronics/EADS/Racal 1260-18 is a VXI C-size high-density switch module featuring 152 SPST channels for signal routing in aerospace, military, and industrial test systems. Each channel handles up to 2 A at 250 VAC or 220 VDC with maximum switching power of 60 W and 125 VA per channel. The module supports message-based and register-based control via VXIbus, user-configurable relay grouping through equate programming lists, and relay coil current monitoring for operational confidence checking. Path resistance remains below 0.5 Ω with thermal EMF under 15 μ V, while AC performance into 50 Ω delivers insertion loss below 0.1 dB at 100 kHz rising to 0.7 dB at 10 MHz, crosstalk better than -80 dB at 100 kHz, and isolation exceeding 80 dB at 100 kHz. Open-channel capacitance is capped at 50 pF input-to-ground and output-to-ground, with input-to-output capacitance under 5 pF. The module integrates into standard VXI platforms and accepts a 160-pin mating connector.

Technical Specifications

Channels: 152 SPST

Switching Current: Up to 2 A per channel

Voltage Rating: Up to 250 VAC or 220 VDC per channel

Maximum Switching Power: 60 W, 125 VA per channel

Path Resistance: <0.5 Ω

Thermal EMF: <15 μ V

Input/Output Capacitance: <50 pF each; <5 pF I-to-O

Data Rate: 1 kHz

Operating Altitude: 10,000 ft Non-Operating Altitude: 15,000 ft

Key Features

AC insertion loss <0.1 dB at 100 kHz, <0.25 dB at 1 MHz, <0.7 dB at 10 MHz

Crosstalk <-80 dB at 100 kHz; 80 dB at 100 kHz; >55 dB at 1 MHz

Relay coil current monitoring for operational assurance

Equate programming for multi-relay closure with single command

Option 01 and Option 01T control module compatibility

Typical Applications

Aerospace and military test systems

Industrial signal routing

Complex electronic system switching

Compatibility & Integration

VXI C-Size form factor

160-pin mating connector

Formerly sold under Racal Instruments brand

Features & description

From manufacturer datasheet

Features

- 152 channels SPST (software configurable topologies) • 50 MHz min / 100 MHz typ bandwidth • 2 A or 250 VAC; 220 VDC; 60 W / 125 VA • Path $<0.5\ \Omega$; thermal EMF $<15\ \mu\text{V}$ (datasheet) • Include/exclude programmable switching; equate lists • Relay coil monitoring / confidence checking • Option 01 / Option 01T control • C-size single-slot VXI module • User-configurable SPST/SPDT/SPnT without jumpers

1260 Characteristics / Specifications

PARAMETER	VALUE
Model	1260-18 (126018)
Manufacturer	Astronics Test Systems / EADS / Racal Instruments
Instrument Type	High-density SPST switch VXI module
Form Factor	C-size single-slot VXIbus
Channels	152 SPST (software configurable to mixed topologies)
Bandwidth	50 MHz min; 100 MHz typ (-3 dB, 50 Ω)
Max Switching Voltage	250 VAC; 220 VDC
Max Switching Current	2 A AC; 2 A DC
Max Switching Power	125 VA AC; 60 W DC
Path Resistance	<0.5 Ω (datasheet); <0.75 Ω (manual table)
Thermal EMF	<15 μ V (datasheet); <20 μ V (manual table)
Control	Option 01 message-based; Option 01T message/register-based
Connector	160-pin mating (2 connectors per card; kits 407407/407408 class)
Ordering	407493 (1260-18 switch module)
Datasheet and manual tables differ slightly on path resistance and thermal EMF limits	use the stricter value for metrology paths. Software configuration can emulate SPDT/SPnT from SPST relays; document the logical topology in test programs.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

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Connector	160-pin mating (2 connectors per card; kits 407407/407408 class)

Ordering: 407493 (1260-18 switch module)

Power (+5 V): about 400 mA (about 2.5 A with Option 01 installed)

Standard Operating Conditions

Install Option 01/01T in the leftmost 1260 module when required by the switch set. Operate 0°C to +55°C. Use include/exclude and confidence-check features when verifying relay state in critical paths.

Operational Notes

Datasheet and manual tables differ slightly on path resistance and thermal EMF limits-use the stricter value for metrology paths. Software configuration can emulate SPDT/SPnT from SPST relays; document the logical topology in test programs.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.